



HF Happenings 816

Volume 16, Issue 26, the week of 8 October 2018

You can now download your copy of HF Happenings from www.sarl.org.za/hf_happenings.asp

Southern African Fauna and Flora <https://zsfaunaandflora.wordpress.com/>

ZS SOTA <https://zssota.wordpress.com>

At approximately 05:00 on Monday 11 November 1918, 100 years ago this year, the Armistice was signed in a railway carriage of Marshall Foch's special train located in the forest at Rethondes in France on the western front. At 11:00 on this Monday, the 11th November 1918, the roar of guns ceased, peace and silence finally descended on the western front, ending the First World War. It is estimated that close to 9,5 million soldiers, sailors and airmen of all sides died in the Great War.

The special call **ZS100WWI** (ZS one hundred World War I) will be active from 1 to 30 November 2018 in remembrance of the South Africans who were involved in the 'War to end all Wars' – we think of the sinking of the SS Mendi, the battle for Delville Wood and the Battle of Square Hill.

SARL Spring QRP Contest

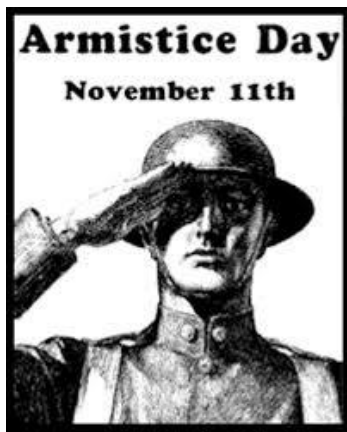
The QRP contests are intended to be fun activities to promote QRP operation between radio amateurs. Using homebuilt equipment or operating as a portable/field station and using temporary antennas is encouraged but is not a requirement.

The Spring QRP Contest runs from 12:00 to 15:00 UTC on Saturday 13 October 2018 with SSB and CW activity using 5 watts (PEP) output or less with no antenna restrictions. A station may be worked once per band per mode.

The first hour is limited to the 40-m band only, the remaining two hours the contesters are free to use any HF (non-WARC) band as they see fit. Participants must comply with the contest-preferred segments as detailed in the general rules. It would be advantageous to use the standard QRP calling frequencies as the starting point.

The exchange is a RS or RST report and your Grid Locator. Please consider exchanging realistic RS(T) signal reports and use the full 6- character grid locator. e.g. KG10VW. If the station's grid locator is unknown, then use some other means that identifies the station's location: e.g. the name of the closest town or city e.g. Gerdau or 25 km NW of Aberdeen. With DX contacts the locator information can be omitted, the RS(T) will suffice as the minimum required exchange as per the general rules.

Each QSO counts 1 point. There is a Prefix / Country multiplier - each South African call area 0 to 9 counts as a multiplier and each DXCC country worked counts as a multiplier. The station type multiplier is x 1 for Home stations, x 2 for Portable stations, x 3 for Ultra-light portable field station and x 3 for Homebrew stations (a picture is imperative). The definitions listed in the General Rules define the above stations types accurately.



October

9 – Provincial schools open
11 – closing date for 80 m QSO logs
11 to 13 – The Groot Plasproe, Stellenbosch
13 – October RAE; the Spring QRP Contest; Voet van Afrika Marathon, Bredasdorp
14 to 20 – "Get Your Park ON" event
19 to 21 – Jamboree on the Air; Talana Live, Dundee; Herman Charles Bosman Weekend, Groot Marico; Ghaap River Extreme, Douglas.
20 – CQ Hou Koers
21 – National Garden Day
27 and 28 – CQ WW DX SSB Contest; Cape Town ARC Meeting; Pretoria ARC Flea Market; International Kite Festival, Muizenberg

November

3 – RaDAR Challenge
10 - Closing date for RaDAR logs
10 and 11 – SARL VHF/UHF Analogue Contest
11 – Remembrance Sunday
14 - World Diabetes Day
16 to 18 – Cherry Festival, Ficksburg
16 and 17 – Steam Weekend at Sandstone Estate, Ficksburg
19 - Closing date for PEARS HF logs and VHF/UHF Analogue logs
21 – the Prophet's Birthday
22 – articles for the December Radio ZS
23 - Cape Town ARC End of Year Function at the club house
24 - SARL Newbie Sprint and the West Rand ARC Flea Market
24 and 25 – the CQ WW DX CW Contest

A mobile station will be treated as a field station. A portable station not meeting the requirements as a field station will be treated as a home station. Ultra-light portable field station must comply with all the field station criteria, but the operator must carry the entire station, antenna included to the operating site. The distance carried must not be less than 1 km. The score = (QSO points) x (Prefix multiplier) x (Station multiplier)

Logs in ADIF, Cabrillo or MS Excel format with a summary sheet and labelled "your call sign QRP Contest," shall be submitted by 20 October 2018 by e-mail to contest@sarl.org.za. Refer to GR 3.6 and 5.1 to 5.6 for detail about logs and summary sheets. A photo(s) of the station operating (JPG format) MUST accompany every log entry.

"Get Your Park On" Operating Event Set for October

(ARRL Newsletter, edited)

What is hoped will be the first annual "Get Your Park ON" operating event will take place from 14 to 20 October in celebration of Earth Science Week. The event is open to Amateur Radio operators around the world and is sponsored by the national affiliates of World Wide Flora and Fauna (WWFF), which encourages radio amateurs to operate outdoors in protected nature parks.

During this on-the-air celebration, amateurs can participate in one of two ways. You can opt to be an Activator, setting up and operating in national and provincial as listed in the Southern African Fauna and Flora list found at <https://zsfaunaandflora.wordpress.com/>. Or you may decide to be a Hunter, operating from home and searching out and contacting the Activators. The week-long special event is reminiscent of the ARRL's popular National Parks on the Air (NPOTA) event in 2016. "Get Your Park ON" begins at 00:00 UTC on Sunday 14 October and continues to 23:59 UTC on Saturday 20 October. Visit the "Get Your Park ON" Facebook page for more information.



The ZSFF listing has been updated with 16 new parks and the Zimbabwean list with 1 new park. If you are aware of a nature Reserve or game reserve not on the list, please provide me with the name and the lat/long coordinates and I will add it to the list. Send the information to zs4bs@netactive.co.za

DXCC'S Most Wanted - ClubLog

The "DXCC Most Wanted" entities list has been updated on ClubLog as of October 6th. The list contains 340 entities and here are the top 10 entities. The complete "DXCC Most Wanted" entities list is available at <https://secure.clublog.org/mostwanted.php>

1. P5 DPRK (North Korea)
2. 3Y/B Bouvet Island
3. FT5/W Crozet Island
4. CE0X San Felix Islands
5. BS7H Scarborough Reef
6. BV9P Pratas Island
7. KH7K Kure Island
8. KH3 Johnston Island
9. VK0M Macquarie Island
10. FT5/X Kerguelen Island

The ARRL Updating its Website Security Software

The ARRL website will update its security software on 15 October and will disable support for the outdated TLS 1.0 protocol to meet standards required to continue accepting credit cards for internet purchases.

The same changes are coming to all of ARRL's web presence at the same time. The list of sites affected includes LoTW, Online DXCC, International Grid Chase and any other ARRL web site which serves up pages via HTTPS.

Most modern browsers and operating systems will not be affected by the change, as they already support the new security standards. Users with old browsers or outdated operating systems, however, will encounter an error message when trying to log in or make a purchase on the website. The list of browsers affected by this change and which will no longer be able to connect securely to any ARRL site after 15 October includes all versions of MS Internet Explorer prior to 11.

A further implication of this changes is that apps running under versions of MS Windows which do not support IE 11 (i.e. all versions of Windows prior to Windows 7 SP1) are likely to be similarly affected and no longer be able to successfully connect to secure pages on any ARRL site (including LoTW) unless the application's developer has chosen to bundle a 3rd-party security library with their app.

TQSL includes its own, up-to-date security library rather than relying upon those services to be provided by the native OS. As a result, there will be no issue with TQSL ceasing to function on 15 October on any operating system.

African DX

Contacts with stations on the African continent count towards the SARL's All Africa Award (www.sarl.org.za/public/awards/awards.asp)

Uganda, 5X. Alan, G3XAQ, will once again be active as 5X1XA from Kampala between 17 and 25 November. Activity is usually on 80 to 10 meters CW only and he plans to be in the CQ WW DX CW Contest (24 and 25 November) as a Single-Op/Single-Band (20 m)/Low-Power/Unassisted entry. QSL via G3SWH, OQRS or LoTW.



Tanzania, 5H. Maurizio, IK2GZU will be active again as 5H3MB from Ilembula, Tanzania from 24 October to 28 November, while doing volunteer work for the local mission. QSL via Club Log's OQRS, LoTW and eQSL; traditional cards via IK2GZU (direct or bureau).

Burkina Faso, XT2. Harald, DF2WO, will once again be active as XT2AW from Ouagadougou, Burkina Faso, sometime in November. Activity is usually holiday style on 160 - 10 meters using CW, SSB and the Digital modes. He states that he works mostly on the Digital modes (FT8, PSK31, JT65 and RTTY) and slow CW. Harald states, "As soon as the conditions go up to USA, I will work the US. Also, I will test 60 m a little." Radio is a FT-450D. QSL via M0OXO, direct or OQRS www.m0oxo.com/oqrs/.

African Islands

IOTA frequencies

CW: 28 040 24 920 21 040 18 098 14 040 10 114 7 030 3 530 kHz

SSB: 28 560 28 460 24 950 21 260 18 128 14 260 7 055 3 760 kHz



Cape Verde, D4. Harald, DF2WO, will once again be active as D44TWO from Praia, Santiago Island (AF-005), between 6 and 21

October. Activity will be holiday style on 160-10 meters using CW, SSB and the Digital modes. He states that he works mostly on the Digital modes (FT8, PSK31, JT65 and RTTY) and slow CW. Equipment is a FT-450D into a home-made HEX BEAM and a dipole for 40 meters. QSL via M0OXO (OQRS available).



Madagascar, 5R. Andy, OE7AJH, (along with Thomas, OE7KUT) will once again be active as 5R8UP from Antananarivo, Madagascar (AF-013), between 3 and 13 November. Activity will be holiday style (mainly in the mornings and evenings) on 40 to 10 metres, possibly 80 m (depending on antenna capabilities), using CW and SSB. QSL via OE7AJH.

Word to the Wise

Great Circle Route - The great circle route is the shortest distance between two points on the surface of a sphere. Two-dimensional projections of the globe showing parallel lines of latitude typically display great circle routes as arcs.

The K3LR Station

A tour of the K3LR station was featured as a photo montage in the October 2018 Portage County Amateur Radio Service (PCARS) Club Newsletter. www.portcars.org/wp/wp-content/uploads/2018/09/PCARS-OCT-18.pdf

Operating Tip

Headphone / Earbud Hygiene. When was the last time you really examined your headphones? They require care and maintenance like everything else so that they operate flawlessly during a contest. Check for loose, frayed, or intermittent connections, especially at locations where cable enters the headphone or connector body. The microphone boom pivot point is another location to check, as well as the microphone itself. Make sure nothing is loose. The "ear muff" part of headphones also needs attention. Sometimes the foam material can start to degrade and leave black or grey foam particles on your ears.

Replacement cushions are sometimes available from the manufacturer. Clean your headphones (especially the mouthpiece) every once in a while, especially after you've used them when feeling under the weather. Consider bringing your own headphones to a multi-operator event as a courtesy to other operators and yourself. For ear bud cleaning, check out this article <https://www.engadget.com/2018/09/21/how-to-clean-earbuds-and-headphones/>

Spectrum Analyser

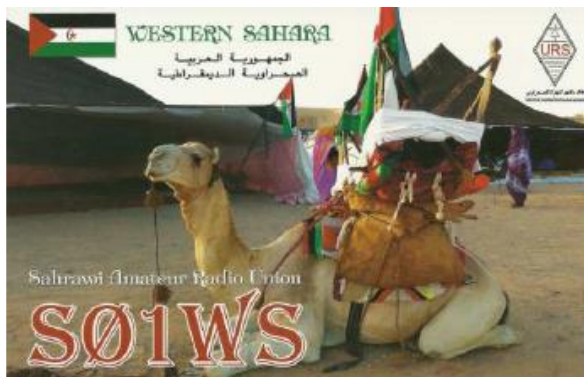
Knowing how and when to use a spectrum analyser can save time and effort in a contesters' quest for lower noise floors and better reception. Rohde Schwarz has published a fundamentals guide discussing the application and use of modern analysers. <https://www.rohde-schwarz-usa.com/rs/324-UVH-477/images/SpecAnFundamentalsPrimer.pdf>

Contest Calendar

This week's contests as compiled by Bruce Horn, WA7BNM. The period covered is 8 to 15 October 2018

RSGB 80 m Autumn Series, CW
19:00 - 20:30 UTC 8 October
Geographic Focus: United Kingdom
Participation: Worldwide
Mode: CW
Bands: 80 m Only
Classes: 100 W; 10 W
Exchange: other station's call, your call, serial no and your name
QSO Points: 1 point per QSO
Multipliers: (none)
Score Calculation: Total score = total QSO points
Submit logs by: 23:59 UTC 11 October 2018
Upload log at: <http://www.rsgbcc.org/cgi-bin/hfenter.pl>
Mail logs to: (none)
Find rules at: <https://www.rsgbcc.org/hf/rules/2018/rautumn.shtml>

10-10 International 10-10 Day Sprint
00:01 - 23:59 UTC 10 October
Geographic Focus: Worldwide
Participation: Worldwide
Mode: All



Bands: 10 m Only
Classes: Individual; Club; QRP
Max power: non-QRP: >5 watts; QRP: 5 watts
Exchange: 10-10 Member: Name, 10-10 number and state, province or country; Non-Member: Name, 0 and state, province or country
Work stations: Once
QSO Points: 1 point per QSO with a non-member; 2 points per QSO with a 10-10 member
Multipliers: (none)
Score Calculation: Total score = total QSO points
Submit logs by: 18 October 2018
E-mail logs to: tentencontest@ten-ten.org
Upload log at: <http://www.hamclubs.info/scorer/>
Mail logs to: Dan Morris, KZ3T, 3162 Covington Way, Lenoir, NC 28645, USA
Find rules at: <http://www.ten-ten.org/index.php/activity/2013-07-22-20-26-48/qso-party-rules>

NAQCC CW Sprint
00:30 - 02:30 UTC 10 October
Geographic Focus: Worldwide
Participation: Worldwide
Mode: CW

Bands: 80, 40, 20 m
 Classes: (none)
 Max power: 5 watts
 Exchange: RST, state, province or country and NAQCC no or power
 Work stations: Once per band
 QSO Points: 1 point per QSO with non-member; 2 points per QSO with member
 Multipliers: Each state, province, or country once;
 Key Type Mult: 2x if straight key, 1.5x if bug, 1x if other
 Score Calculation: Total score = total QSO points x total mults x key type mult
 Submit logs by: 23:59 UTC 13 October 2018
 E-mail logs to: naqcc33@windstream.net
 jcoreyc@gmail.com
 Upload log at:
http://naqcc.info/sprint_submit_log.html
 Mail logs to: (none)
 Find rules at:
<http://naqcc.info/sprint/sprint201810.html>

Phone Fray
 02:30 - 03:00 UTC 10 October
 Geographic Focus: North America
 Participation: Worldwide
 Mode: SSB
 Bands: 160, 80, 40, 20, 15 m
 Classes: Single Op
 Max power: 100 watts
 Exchange: NA: Name and state, province or country; non-NA: Name
 Work stations: Once per band
 QSO Points: NA station: 1 point per QSO; non-NA station: 1 point per QSO with an NA station
 Multipliers: Each US state (including KH6/KL7) once per band; Each VE province/territory once per band; Each North American country (except W/VE) once per band
 Score Calculation: Total score = total QSO points x total mults
 Submit logs by: 03:00 UTC 12 October 2018
 E-mail logs to: (none)
 Post log summary at: <http://www.3830scores.com>
 Mail logs to: (none)
 Find rules at:
http://www.perluma.com/Phone_Fray_Contest_Rules.pdf

CWops Mini-CWT Test
 13:00 - 14:00 UTC and 19:00 - 20:00 UTC 10 October and 03:00 - 04:00 UTC 11 October
 Geographic Focus: Worldwide
 Participation: Worldwide
 Awards: Worldwide
 Mode: CW
 Bands: 160, 80, 40, 20, 15, 10 m

Classes: Single Op - QRP, low or high
 Max power: HP: >100 watts; LP: 100 watts; QRP: 5 watts
 Exchange: Member: Name and member no
 non-Member: Name and state, province or country
 Work stations: Once per band
 QSO Points: 1 point per QSO
 Multipliers: Each call once
 Score Calculation: Total score = total QSO points x total mults
 Submit logs by: 04:00 UTC 13 October 2018
 Post log summary at: <http://www.3830scores.com>
 Mail logs to: (none)
 Find rules at: <https://cwops.org/cwops-tests/>

NCCC RTTY Sprint
 01:45 - 02:15 UTC 12 October
 Geographic Focus: North America
 Participation: Worldwide
 Mode: RTTY
 Bands: (see rules)
 Classes: (none)
 Exchange: Serial no, name and QTH
 Score Calculation: Total score = total QSO points x total mults
 Submit logs by: 14 October 2018
 E-mail logs to: (none)
 Post log summary at: <http://www.3830scores.com/>
 Mail logs to: (none)
 Find rules at:
<http://www.ncccsprInternationalcom/rttyns.html>

NCCC Sprint
 02:30 - 03:00 UTC 12 October
 Geographic Focus: North America
 Participation: Worldwide
 Mode: CW
 Bands: (see rules)
 Classes: (none)
 Exchange: Serial no, name and QTH
 Score Calculation: Total score = total QSO points x total mults
 Submit logs by: 14 October 2018
 E-mail logs to: (none)
 Post log summary at: <http://www.3830scores.com/>
 Mail logs to: (none)
 Find rules at:
<http://www.ncccsprInternationalcom/rules.html>

Makrothen RTTY Contest
 00:00 - 08:00 UTC and 16:00 - 24:00 UTC 13 October and 08:00 - 16:00 UTC 14 October
 Geographic Focus: Worldwide
 Participation: Worldwide
 Mode: RTTY
 Bands: 80, 40, 20, 15, 10 m

Classes: Single Op Single Xcvr - low or high; Single Op Multi-Xcvr - low or high; Multi-Op Single Xcvr - low or high; Multi-Op Multi-Xcvr - low or high
 Max power: HP: 1 500 watts; LP: 100 watts
 Exchange: 4-character grid square
 Work stations: Once per band
 QSO Points: 1 point per km distance between stations for each QSO
 Multiply QSO points by 1.5 for 40 m QSOs or 2.0 for 80 m QSOs; 100 points per QSO between stations in same grid square (no other points or multiplier)
 Multipliers: (none)
 Score Calculation: Total score = total QSO points
 Submit logs by: 21 October 2018
 E-mail logs to: (none)
 Upload log at:
<https://www.pl259.org/makrothen/log-submission/>
 Mail logs to: (none)
 Find rules at:
<http://www.pl259.org/makrothen/makrothen-rules/>

QRP ARCI Fall QSO Party
 00:00 - 23:59 UTC 13 October
 Geographic Focus: Worldwide
 Participation: Worldwide
 Mode: CW
 Bands: 160, 80, 40, 20, 15, 10 m
 Classes: All Band; Single Band; High Bands; Low Bands
 Max operating hours: 24
 Exchange: ARCI: RST, state, province or country and ARCI no; non-ARCI: RST, state, province or country and power out
 Work stations: Once per band
 QSO Points: 5 points per QSO with ARCI member; 4 points per non-member QSO with different continent; 2 points per non-member QSO with same continent
 Multipliers: States, once per band; VE Provinces, once per band; Countries, once per band; Power Mult: >5 W = x 1, 1 - 5 W = x 7, 250 mW - 1 W = x 10, 55 - 250 mW = x 15, <55 mW = x 20
 Score Calculation: Total score = total QSO points x (state mults and province mults and country mults) x power mult
 Submit logs by: 27 October 2018
 E-mail logs to: (none)
 Upload log at: <http://www.qrpcontest.com>
 Mail logs to: (none)
 Find rules at: <http://www.qrparci.org/>

Nevada QSO Party
 03:00 UTC 13 October to 21:00 UTC 14 October
 Geographic Focus: United States/Canada
 state/province QSO party
 Participation: Worldwide



Mode: CW, SSB, Digital
 Bands: 160, 80, 40, 20, 15, 10, VHF/UHF
 Classes: Single Op - CW, phone, digital or mixed - QRP, low or high; Single Op VHF; Multi-Single - low or high; Multi-Multi; County Expedition - Single County, County Line, Single-Op, Multi-Single, Multi-Multi or Open; Mobile - CW, phone, digital or mixed - low or high; Mobile VHF
 Max power: HP: 1 500 watts; LP: 150 watts; QRP: 5 watts
 Exchange: NV: Serial no, "NV" and county; non-NV: Serial no and state, province or "DX"
 Work stations: Once per band per mode
 QSO Points: 1 point per VHF QSO; 2 points per HF phone QSO; 3 points per HF CW/digital QSO
 Multipliers: NV Stations: Each state, province, country (max of 20) once; non-NV Stations: Each NV county once
 Score Calculation: Total score = total QSO points x total mults
 Submit logs by: 1 November 2018
 E-mail logs to: nvqso@snars.org
 Mail logs to: Nevada QSO Party, Sierra Nevada Radio Society, PO Box 7727, Reno, Nevada 89510-7727, USA
 Find rules at: <http://nvqso.com/contest-rules/>

Oceania DX CW Contest
 08:00 UTC 13 October to 08:00 UTC 14 October
 Geographic Focus: Oceania
 Participation: Worldwide
 Mode: CW
 Bands: 160, 80, 40, 20, 15, 10 m
 Classes: Single Op All Band - QRP, low or high; Single Op Single Band - QRP, low or high; Multi-One; Multi-Two; Multi-Multi; SWL
 Max power: HP: 1 500 watts; LP: 100 watts
 Exchange: RST and serial no
 Work stations: Once per band
 QSO Points: 20 points per 160 m QSO; 10 points per 80 m QSO; 5 points per 40 m QSO; 1 point per 20 m QSO; 2 points per 15 m QSO; 3 points per 10 m

QSO; 0 points per QSO between two non-OC stations

Multipliers: Each prefix once per band; Non-OC prefixes do not count as mults for non-OC stations

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 31 October 2018

E-mail logs to: (none)

Upload log at: <http://www.b4h.net/ocdx/>

Web-to-Cabrillo form:

http://www.b4h.net/cabforms/oceaniadxcw_cab.php

Mail logs to: Oceania DX Contest, PO Box 21088, Little Lonsdale Street, Victoria 8011, Australia

Find rules at:

<http://www.oceaniadxcontest.com/Rules/rules.html>

SKCC Weekend Sprintathon

12:00 UTC 13 October to 24:00 UTC 14 October

Geographic Focus: Worldwide

Participation: Worldwide

Awards: Worldwide

Mode: CW

Bands: 160, 80, 40, 20, 15, 10, 6 m

Classes: (none)

Max operating hours: 24

Exchange: RST, state, province or country, name and SKCC no or "NONE"

Work stations: Once per band

QSO Points: 1 point per QSO

Bonus Points: (see rules)

Multipliers: Each state, province, or country once

Score Calculation: Total score = (total QSO points x total mults) and bonus points

Submit logs by: 21 October 2018

Post log summary at:

http://www.skccgroup.com/operating_activities/weekend_sprintathon/submit-display.php

Mail logs to: (none)

Find rules at:

http://www.skccgroup.com/operating_activities/weekend_sprintathon/

Scandinavian Activity Contest, SSB

12:00 UTC 13 October to 12:00 UTC 14 October

Geographic Focus: Scandinavia

Participation: Worldwide

Mode: SSB

Bands: 80, 40, 20, 15, 10 m

Classes: Single Op Single Xmtr - QRP, low or high;

Single Op Single Xmtr Assisted - QRP, low or high;

Single Op Single Band; Single Op Assisted Low Band;

Multi-Single; Multi-Multi

Max power: HP: >100 watts; LP: 100 watts; QRP: 5 watts

Exchange: RST and serial no

Work stations: Once per band

QSO Points: Scandinavian: 2 points per QSO with Europe; Scandinavian: 3 points per QSO with non-Europe; Europe: 1 point per QSO with Scandinavian station; non-Europe: 1 point per QSO with Scandinavian station on 20, 15, 10 m; non-Europe: 3 points per QSO with Scandinavian station on 80, 40 m

Multipliers: Scandinavian: Each DXCC country once per band; non-Scandinavian: Each Scandinavian call area once per band

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 23:59 UTC 19 October 2018

Upload log at: <http://www.sactest.net/robot/>

Mail logs to: (none)

Find rules at: <http://www.sactest.net/blog/rules/>

Pennsylvania QSO Party

16:00 UTC 13 October to 05:00 UTC 14 October and 13:00 - 22:00 UTC 14 October

Geographic Focus: United States/Canada state/province QSO party

Participation: Worldwide

Mode: CW, Phone, Digital

Bands: 160, 80, 40, 20, 15, 10, VHF/UHF

Classes: Single Op - CW, phone or mixed - QRP, low or high; Multi-Op - QRP, low or high; Multi-Multi; Single Op Portable; Multi-Op Portable; Mobile Single Op; Mobile Multi-Op; Rover Single Op; Rover Multi-Op; County Line Single Op; County Line Multi-Op

Max power: HP: >150 watts; LP: 150 watts; QRP: 5 watts

Exchange: PA: Serial no and County; non-PA: Serial no and ARRL or RAC Section

Work stations: Once per band per mode per county
QSO Points: 2 points per CW QSO; 1 point per phone QSO; 2 points per digital QSO

PA Mobile Bonus: 500 points for each county operated from with minimum of 10 QSOs; PA Rover Bonus: 500 points for each location operated from with minimum of 10 QSOs; Bonus: 200 points for each QSO with N3LI

Multipliers: PA Stations: Each ARRL section, RAC section, PA county once; PA Stations: One DX country; non-PA Stations: Each PA county once;

QRP Bonus: multiply score by 2 for QRP operation

Score Calculation: Total score = (total QSO points x total mults x bonus mult) and bonus points

Submit logs by: 14 November 2018

E-mail logs to: logs@paqso.org

Web-to-Cabrillo form:

http://www.b4h.net/cabforms/paqp_cab3.php

Mail logs to: (none)

Find rules at: <http://paqso.org/pa-qso-party-rules.html>

Arizona QSO Party

16:00 UTC 13 October to 06:00 UTC 14 October and
14:00 UTC to 24:00 UTC 14 October

Geographic Focus: United States/Canada

state/province QSO party

Participation: Worldwide

Mode: CW, Phone, Digital

Bands: 160, 80, 40, 20, 15, 10, 6, 2 m

Classes: Single Op - CW, phone, digital or mixed -

QRP, low or high; Multi-Single - low or high;

Multi/Multi; Mobile; County Expedition Single-Op;

County Expedition Multi-Op

Max power: HP: >150 watts; LP: 150 watts; QRP: 5
watts

Exchange: AZ: RS(T) and county; non-AZ: RS(T) and
state, province or country

Work stations: Once per band per mode per county

QSO Points: 1 point per phone QSO; 2 points per

CW/digital QSO; Bonus: 100 points for at least one

QSO with K7A

Multipliers: AZ: Each US state, province and country
once per mode; non-AZ: Each AZ county once per
band per mode

Score Calculation: Total score = (total QSO points x
total mults) and bonus points

Submit logs by: 24 October 2018

E-mail logs to: logs@azqsoparty.org

Mail logs to: Radio Society of Tucson, PO Box
57315, Tucson, AZ 85732-7315, USA

Find rules at: <http://www.azqsoparty.org/>

FISTS Fall Unlimited Sprint

17:00 - 21:00 UTC 13 October

Geographic Focus: United States/Canada

Participation: Worldwide

Awards: United States/Canada

Mode: CW

Bands: 80, 40, 20, 15, 10 m

Classes: QRP; QRO; Club

Max power: QRO: 100 watts; QRP: 5 watts

Exchange: FISTS: RST, state, province or country,

first name and FISTS no; non-FISTS: RST, state,

province or country, first name and power

Work stations: Once per band

QSO Points: 5 points per QSO with FIST member;

FIST members: 2 points per QSO with non-FIST

member

Multipliers: Each US state and VE province once;

Each DXCC country once

Score Calculation: Total score = total QSO points x
total mults

Submit logs by: 12 November 2018

E-mail logs to: n2ed@fistsna.org

Mail logs to: FISTS Sprint Log, c/o Ed Wlodarski

N2ED, 3 Shore Rd., Andover, NJ 07821-2240, USA

Find rules at:

<http://www.fistsna.org/operating.html#sprints>

South Dakota QSO Party

18:00 UTC 13 October to 18:00 UTC 14 October

Geographic Focus: United States/Canada

state/province QSO party

Participation: Worldwide

Mode: CW, Phone, Digital

Bands: 160, 80, 40, 20, 15, 10, 6, 2 m

Classes: Fixed

Rover

Max power: HP: >150 watts; LP: 150 watts; QRP: 5
watts

Exchange: SD: RS(T) and county; non-SD: RS(T) and
state, province or country

Work stations: Once per band per mode per county

QSO Points: 1 point per phone QSO; 2 points per

CW QSO; 2 points per digital QSO

Bonus: 100 points for at least one QSO with W00JY

Multipliers: SD: Each SD county, state, province, or
country once only; non-SD: Each SD county once
only

Score Calculation: Total score = (total QSO points x
total mults) and bonus points

Submit logs by: 05:00 UTC 3 November 2018

E-mail logs to: ae0xi69@gmail.com

Mail logs to: Terry Angel, 42578 311 St., Tabor, SD
57063, USA

Find rules at: <http://www.sdgqsoparty.com>

PODXS 070 Club 160 m Great Pumpkin Sprint

20:00 UTC 13 October to 20:00 UTC 14 October

Geographic Focus: Worldwide

Participation: Worldwide

Mode: PSK31

Bands: 160 m Only

Classes: QRP; Low Power; Medium Power

Max operating hours: 6

Max power: Medium Power: 100 watts; Low Power:

50 watts; QRP: 5 watts

Exchange: RST and state, province or country

QSO Points: 1 point/QSO

Multipliers: Each state, province and DXCC country
once only

Score Calculation: Total score = total QSO points x
total mults

Submit logs by: 21 October 2018

E-mail logs to: (none)

Upload log at: <http://hamclubs.info/scorer/>

Mail logs to: (none)

Find rules at: <http://www.podxs070.com/o70-club-sponsored-contests/160m-great-pumpkin-sprint>

UBA ON CW Contest

05:30 - 08:00 UTC 14 October

Mode: CW

Bands: 80 m Only
Classes: (none)
Exchange: ON: RST, serial no and ON Section; non-ON: RST and serial no
QSO Points: 3 points per QSO with Belgian station
Multipliers: Each UBA Section
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 4 November 2018
E-mail logs to: ubaon@uba.be
Mail logs to: Leon Welters, ON5WL, Borgstraat 80, B-2580 Beerzel, Belgium
Find rules at: <http://www.uba.be/en/hf/contest-rules/on-contest>

4 States QRP Group Second Sunday Sprint
00:00 - 02:00 UTC 15 October
Geographic Focus: North America
Participation: Worldwide
Mode: CW, SSB
Bands: 160, 80, 40, 20, 15, 10 m
Classes: Single Op
Exchange: Member: RS(T), state, province or country and member no; Non-member: RS(T), state, province or country and power
Work stations: Once per band
QSO Points: 1 point per QSO with non-member; 2 points per QSO with member
Multipliers: (none)
Score Calculation: Total score = total QSO points
Submit logs by: 17 October 2018
E-mail logs to: (none)
Post log summary at: <http://qrpccontest.com/4sqrp>
Mail logs to: (none)
Find rules at:
http://www.4sqrp.com/SSS/sss_rules.pdf

ARRL School Club Roundup
13:00 UTC 15 October to 23:59 UTC 19 October
Geographic Focus: Worldwide
Participation: Worldwide
Mode: CW, Phone, RTTY/Digital
Bands: All, except 60, 30, 17, 12 m

Classes: Single Op (I); Club/Multi-Op (C); School Club/Group (S)
Max operating hours: 24 hours total; 6 hours out of any 24-hour period with off times of at least 30 minutes
Exchange: RS(T), class (I/C/S) and state, province or country
Work stations: Once per mode
QSO Points: 1 point per phone QSO; 2 points per CW/RTTY/digital QSO
Multipliers: States and VE provinces and DXCC countries and (2x class C QSOs) and (5x class S QSOs)
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 3 November 2018
Post log summary at: <http://www.b4h.net/arrlscr/>
Mail logs to: School Club Roundup, c/o LIMARC, PO Box 392, Levittown, NY 11756, USA
Find rules at: <http://www.arrl.org/school-club-roundup>

Telephone Pioneers QSO Party
18:00 UTC 15 October to 03:00 UTC 16 October
Mode: CW/Digital, Phone
Bands: 160, 80, 40, 20, 15, 10, VHF/UHF
Classes: (none)
Exchange: Members: RS(T), chapter no and name; non-Members: RS(T) and name
Work stations: Once per band per mode
QSO Points: 1 point per QSO
Bonus Points: (see rules)
Multipliers: Chapter numbers once per mode
Score Calculation: Total score = (CW/Dig QSO points x CW/Dig mults) and (Ph QSO points x Ph mults) and bonus points
Submit logs by: 10 December 2018
E-mail logs to: n6tpjim@gmail.com
Mail logs to: Jim Muijer, 4233 Wooster Ave., San Mateo, CA, 94403, USA
Find rules at: <http://www.tpqso.com/wp-content/uploads/2018/04/TPQSO-2018-Announcement-1.5.pdf>

IARUMS reports on radar intruder in amateur radio 40 m band

The IARU-R1 Monitoring System reports the Russian coastal radar 'Sunflower' has been causing interference in the Primary amateur radio 7 MHz band. Located NE of Vladivostok "Sunflower" has been very active in our 40 m band and audible in Europe in the evenings.

The International Amateur Radio Union Monitoring System (IARUMS) Region 1 September 2018 newsletter can be read at <http://www.iarums-r1.org/iarums/news2018/news1809.pdf>

Reports of Amateur Band intruders can be logged on the IARU Region 1 Monitoring System Logger at <http://peditio.net/intruder/bluechat.cgi>

Monitor the short wave bands on-line with a web based SDR receiver at <http://www.websdr.org/>
IARU Monitoring System (IARUMS) <https://www.iarums-r1.org/>

Next Week's Contests

ARRL School Club Roundup, 13:00 UTC 15 October to 23:59 UTC 19 October
Telephone Pioneers QSO Party, 18:00 UTC 15 October to 03:00 UTC 16 October
Phone Fray, 02:30 - 03:00 UTC 17 October
CWops Mini-CWT Test, 13:00 - 14:00 UTC and 19:00 - 20:00 UTC 17 October and 03:00 - 04:00 UTC 18 October
RSGB 80 m Autumn Series, Data, 19:00 - 20:30 UTC 17 October
NCCC RTTY Sprint, 01:45 - 02:15 UTC 19 October
NCCC Sprint, 02:30 - 03:00 UTC 19 October
Zombie Shuffle, 16:00 – 24:00 local 19 October
JARTS WW RTTY Contest, 00:00 UTC 20 October to 24:00 UTC 21 October
10-10 International Fall CW Contest, 00:01 UTC 20 October to 23:59 UTC 21 October
Argentina National 7 MHz Contest, 09:30 - 22:30 UTC 20 October
New York QSO Party, 14:00 UTC 20 October to 02:00 UTC 21 October
Worked All Germany Contest, 15:00 UTC 20 October to 14:59 UTC 21 October
Stew Perry Topband Challenge, 15:00 UTC 20 October to 15:00 UTC 21 October
Feld Hell Sprint, 20:00 - 23:59 UTC 20 October
Asia-Pacific Fall Sprint, CW, 00:00 - 02:00 UTC 21 October
Illinois QSO Party, 17:00 UTC 21 October to 01:00 UTC 22 October
RSGB RoLo CW, 19:00 - 20:30 UTC 21 October
Run for the Bacon QRP Contest, 01:00 - 03:00 UTC 22 October

Items used with acknowledgement to the ARRL Letter, the ARRL DX News, the ARRL Contest Update, OPDX Bulletin, 425 DX Bulletin, DXNL Newsletter, WIA-News, the RSGB News, DxCoffee, Southgate ARC News, DX World and the Amateur Radio Newsletter

